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=> fil hcap
FILE 'HCAPLUS' ENTERED AT 09:24:13 ON 06 JUN 2007
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FILE COVERS 1907 - 6 Jun 2007  VOL 146 ISS 24
FILE LAST UPDATED: 5 Jun 2007  (20070605/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> d que l14
L1                STR
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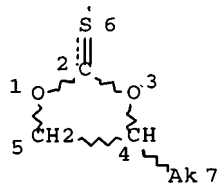

12/20/07

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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   7

STEREO ATTRIBUTES: NONE
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L4            82 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L3
L6         82611 SEA FILE=HCAPLUS ABB=ON  PLU=ON  COSMETICS+PFT,NT/CT
L7         13620 SEA FILE=HCAPLUS ABB=ON  PLU=ON  KERATINS+PFT/CT
L8        584420 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L6 OR COSMET? OR L7 OR
                 KERATIN? OR TOPICAL? OR SKIN OR HAIR? OR NAIL OR LIP OR EYE?
                 OR MASCAR? OR MAKEUP OR MAKE UP
L9             1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L4 AND L8
L10              STR
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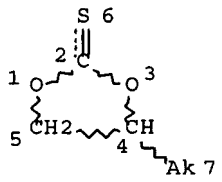

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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE
L12 12 SEA FILE=REGISTRY SUB=L3 SSS FUL L10
L13 23 SEA FILE=HCAPLUS ABB=ON PLU=ON L12
L14 23 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 OR L9

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CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 09:24:24 ON 06 JUN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

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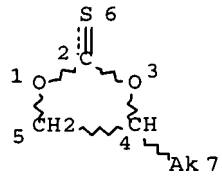

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE
L3 118 SEA FILE=REGISTRY SSS FUL L1
L15 18 SEA L3
L16 1079399 SEA COSMET? OR KERATIN? OR TOPICAL? OR SKIN OR HAIR? OR NAIL OR LIP OR EYE? OR MASCAR? OR MAKEUP OR MAKE UP
L17 8 SEA L15 AND L16

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=> dup rem l14 l17
FILE 'HCAPLUS' ENTERED AT 09:24:40 ON 06 JUN 2007
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FILE 'USPATFULL' ENTERED AT 09:24:40 ON 06 JUN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 09:24:40 ON 06 JUN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)
PROCESSING COMPLETED FOR L14
PROCESSING COMPLETED FOR L17
L28           29 DUP REM L14 L17 (2 DUPLICATES REMOVED)
                 ANSWERS '1-23' FROM FILE HCAPLUS
                 ANSWERS '24-29' FROM FILE USPATFULL

=> d l28 ibib abs hitind hitstr tot

L28  ANSWER 1 OF 29  HCAPLUS  COPYRIGHT 2007 ACS on STN DUPLICATE 2
ACCESSION NUMBER:         1976:65277  HCAPLUS  Full-text
DOCUMENT NUMBER:          84:65277
TITLE:                    Fatty alcohol-propylene carbonate-glycol solvent cream
                          vehicle
INVENTOR(S):              Chang, Kuang Y.; Ferrell, Bonnie
PATENT ASSIGNEE(S):       Syntex (U.S.A.), Inc., USA
SOURCE:                   U.S., 7 pp.
                          CODEN: USXXAM
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
     ---------------      ----   --------    --------------------     --------
     US 3924004            A     19751202    US 1971-201997           19711124
PRIORITY APPLN. INFO.:                       US 1971-201997       A   19711124
AB   An ointment base containing from 5 to 40% C16-24 saturated fatty alc., from 1
     to 40% propylene carbonate [13303-26-9], from 25 to 85% of a glycol cosolvent,
     a stabilizing amount of a surfactant, and optimal amts. of a compatible
     plasticizer and(or) other pharmaceutical adjuvants is reported. The base is a
     suitable vehicle for all types of therapeutic agents for topical application
     and has particular advantages with antiinflammatory topical corticoids. Thus,
     a base was prepared by mixing at 80° stearyl alc. [112-92-5] 20, sorbitan
     monostearate [1338-41-6] 0.4, Tween 60 [9005-67-8] 1.8, propylene glycol [57-
     55-6] 61.4, propylene carbonate 16.0, and Carbopol [9007-20-9] 0.4% (by
     weight) and cooling to room temperature with agitation.
IC   A61K
INCL 424358000
CC   63-6 (Pharmaceuticals)
IT   57-55-6, biological studies   112-92-5   1338-41-6   9005-67-8   9007-20-9
     13303-26-9   25265-71-8   36653-82-4
     RL: BIOL (Biological study)
        (in ointment base)
IT   13303-26-9
     RL: BIOL (Biological study)
        (in ointment base)
RN   13303-26-9  HCAPLUS
CN   1,3-Dioxolane-2-thione, 4-methyl- (9CI)  (CA INDEX NAME)
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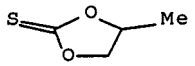
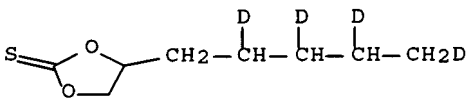


L28 ANSWER 2 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:199478 HCAPLUS Full-text
DOCUMENT NUMBER: 142:430032
TITLE: iPF2α-III-17,18,19,20-d4: Total synthesis and metabolism
AUTHOR(S): Kim, Seongjin; Powell, William S.; Lawson, John A.; Jacobo, Sheila H.; Pratico, Domenico; FitzGerald, Garret A.; Maxey, Kirk; Rokach, Joshua
CORPORATE SOURCE: Claude Pepper Institute and Department of Chemistry, Florida Institute of Technology, Melbourne, FL, 32901, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2005), 15(6), 1613-1617
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:430032

AB The first total synthesis of 17,18,19,20-d4-iPF2α-III, a deuterated analog of iPF2α-III, is described. This analog was used in some β-oxidation studies with rat liver homogenates and that showed 17,18,19,20-d4-iPF2α-III was metabolized to 17,18,19,20-tetradeutero- 2,3-dinor-iPF2α-III and 17,18,19,20-tetradeutero-2,3-dinor-5,6- dihydro-iPF2α-III.

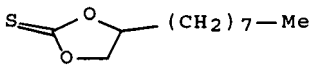
CC 26-3 (Biomolecules and Their Synthetic Analogs)
IT 5754-34-7P 83141-42-8P 159697-96-8P 159697-99-1P 248926-41-2P
850898-78-1P 850898-79-2P 850898-80-5P, 1,2-Heptane-4,5,6,7-d4-diol
850898-81-6P 850898-82-7P 850898-83-8P 850898-84-9P
850898-85-0P 850898-86-1P 851030-05-2P 851030-06-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(total synthesis and metabolism of the isoprostane iPF2α-III-17,18,19,20-d4)
IT *850898-81-6P*
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(total synthesis and metabolism of the isoprostane iPF2α-III-17,18,19,20-d4)
RN 850898-81-6 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-(pentyl-2,3,4,5-d4)- (9CI) (CA INDEX NAME)



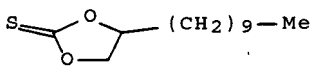
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 3 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:358496 HCAPLUS Full-text
Correction of: 2005:481376
DOCUMENT NUMBER: 145:123924
Correction of: 142:481543
TITLE: Thiocarbonic acids and derivatives
AUTHOR(S): Sato, S.; Furukawa, N.
CORPORATE SOURCE: Foundation for Advancement of International Science, Tsukuba, Ibaraki, 305-0062, Japan
SOURCE: Science of Synthesis (2005), 18, 821-968
CODEN: SSCYJ9
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
AB A review of the preparation and synthetic applications of thiocarbonic acids and their derivs.
CC 21-0 (General Organic Chemistry)
IT 420-32-6P, Carbonothioic difluoride 463-71-8P, Carbonothioic dichloride 534-13-4P 534-18-9P 623-54-1P 928-48-3P 930-35-8P, 1,3-Dithiole-2-thione 1495-18-7P, Carbonothioic chloride fluoride 1540-60-9P, Carbonothioic dibromide 2314-61-6P 2812-73-9P 2812-75-1P 2812-85-3P 2944-05-0P, Carbon sulfide (CS) 3185-68-0P 3489-31-4P 6160-65-2P 6962-17-0P 7112-01-8P 7694-21-5P 13855-85-1P 16420-13-6P 16911-89-0P 19009-45-1P 19384-26-0P 19384-32-8P 19384-35-1P 19384-40-8P 19574-47-1P 20469-71-0P 22027-16-3P 25079-77-0P, 1,8-Naphthalenedithiol 28925-45-3P 31366-25-3P 35200-02-3P 35812-29-4P 40168-96-5P 41320-40-5P 41320-42-7P 41320-44-9P 52207-49-5P 55032-98-9P 55512-42-0P 62907-90-8P 63976-76-1P 70061-61-9P 74725-77-2P 75603-97-3P 77360-54-4P 84582-84-3P 85377-38-4P *86170-74-3P* 86201-49-2P 89158-19-0P 94128-19-5P 94128-20-8P 94128-22-0P 94128-23-1P 94128-25-3P 94128-26-4P 98878-27-4P 104653-67-0P 110623-43-3P 110623-52-4P 110623-53-5P 110623-60-4P 114324-55-9P 116064-36-9P 116064-37-0P 116064-43-8P 118117-23-0P 118117-24-1P 125943-74-0P 127196-59-2P 127655-02-1P 128292-46-6P 131265-33-3P 131265-34-4P 131707-95-4P 132938-74-0P 132938-75-1P 132938-76-2P 132938-77-3P 132938-78-4P 132938-85-3P 132938-86-4P 138723-31-6P 139185-43-6P 139488-46-3P 141810-65-3P 149067-53-8P 149067-54-9P 159223-12-8P 169330-93-2P 170959-42-9P 170959-43-0P 170959-44-1P 170959-50-9P 174735-20-7P 186826-01-7P 187673-49-0P 197231-56-4P 199438-88-5P 199438-92-1P 207276-90-2P 207276-91-3P 287490-50-0P 292073-86-0P 292073-87-1P 337961-27-0P 337961-29-2P 337961-31-6P 337961-33-8P 337961-35-0P 337961-37-2P 337961-39-4P 340011-78-1P 350046-08-1P 351500-44-2P 355117-90-7P 355117-91-8P 355117-92-9P 355117-93-0P 433935-37-6P 444578-22-7P 444578-27-2P 460313-68-2P 480438-02-6P 480438-03-7P 481673-90-9P 885475-07-0P 885475-08-1P 885475-09-2P 885475-10-5P 885475-11-6P 885475-12-7P 885475-13-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn and synthetic applications of thiocarbonic acids and derivs. thereof)
IT *86170-74-3P*
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn and synthetic applications of thiocarbonic acids and derivs. thereof)
RN 86170-74-3 HCAPLUS

CN 1,3-Dioxolane-2-thione, 4-octyl- (9CI) (CA INDEX NAME)

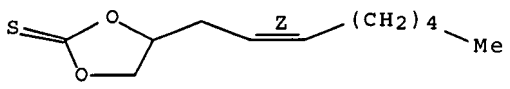


L28 ANSWER 4 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:1068198 HCAPLUS Full-text
DOCUMENT NUMBER: 142:155537
TITLE: An efficient preparation of stereospecific β-hydroxy nitriles
AUTHOR(S): Jacobo, Sheila H.; Adiyaman, Mustafa; Chang, Chih-Tsung; Kang, Nam-In; Powell, William S.; Rokach, Joshua
CORPORATE SOURCE: Claude Pepper Institute and Department of Chemistry, Florida Institute of Technology, Melbourne, FL, 32901, USA
SOURCE: Tetrahedron Letters (2004), Volume Date 2005, 46(1), 161-164
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:155537
AB The cyanide-ring opening of thionocarbonates with NaCN in DMF or TBACN in THF is described. This reaction occurred regioselectively to afford β-hydroxy nitrile with preserved stereochem. of the hydroxy group in high yield.
CC 23-19 (Aliphatic Compounds)
IT 2816-87-7 10442-39-4 *237739-03-6 237739-09-2*
830319-27-2 830319-28-3 830319-29-4 830319-30-7 830319-31-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(regioselective preparation of β-hydroxy and γ-hydroxy nitriles via ring opening of thionocarbonates)
IT *237739-03-6 237739-09-2*
RL: RCT (Reactant); RACT (Reactant or reagent)
(regioselective preparation of β-hydroxy and γ-hydroxy nitriles via ring opening of thionocarbonates)
RN 237739-03-6 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-decyl- (9CI) (CA INDEX NAME)



RN 237739-09-2 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-(2Z)-2-octenyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 5 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:531108 HCAPLUS Full-text
DOCUMENT NUMBER: 131:158121
TITLE: Preparation of sulfur-containing polymer
INVENTOR(S): Otani, Takashi; Lee, Kaku
PATENT ASSIGNEE(S): Rengo Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11228697	A	19990824	JP 1998-36199	19980218
PRIORITY APPLN. INFO.:			JP 1998-36199	19980218

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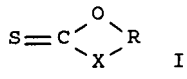


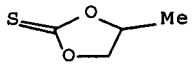
I

AB Title polymer was prepared by radical ring-opening polymerization of monomer I wherein R is (substituted) alkylene, cycloalkylene and aryl, X is imino, ether or methylene. Thus 1,3-oxazolidine-2-thione 2.00 g was polymerized with AIBN initiator to give white polymer 1.90 g with weight-average mol. weight 5000.

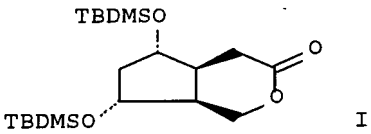
IC ICM C08G075-26
CC 35-7 (Chemistry of Synthetic High Polymers)
IT 28803-45-4P 126493-69-4P 130726-50-0P, Poly[thio(carbonyl)imino-1,2-ethanediyl] 237424-33-8P 237424-34-9P 237424-35-0P 237424-36-1P 237424-37-2P 237424-40-7P 237424-41-8P *237424-42-9P* 319003-60-6P 319003-61-7P 319003-62-8P 700840-92-2P, Poly(thiocarbonylimino-1,3-propanediyl) 908254-17-1P 908254-27-3P 908260-79-7P
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of sulfur-containing polymer)
IT *237424-42-9P*
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of sulfur-containing polymer)
RN 237424-42-9 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-methyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 13303-26-9
CMF C4 H6 O2 S



L28 ANSWER 6 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:523273 HCAPLUS Full-text
DOCUMENT NUMBER: 131:322440
TITLE: Synthesis of iPF2α-V: a new route
AUTHOR(S): Hwang, Seong Woo; Adiyaman, Mustafa; Lawson, John A.; FitzGerald, Garret A.; Rokach, Joshua
CORPORATE SOURCE: Claude Pepper Institute and Department of Chemistry, Florida Institute of Technology, Melbourne, FL, 32901, USA
SOURCE: Tetrahedron Letters (1999), 40(34), 6167-6170
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB IPF2α-V and 12-epi-iPF2α-V were prepared from the oxabicyclononanone I. A deuterated lower side chain was also prepared and converted to 17,17,18,18-tetradeutero-iPF2α-V.

CC 26-3 (Biomolecules and Their Synthetic Analogs)

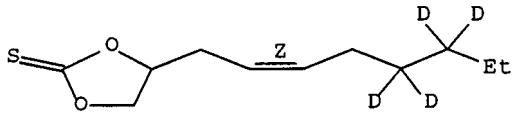
IT 70482-83-6P 70482-86-9P, 1-Hexan-3,3,4,4-d4-ol 70482-87-0P
219308-87-9P 248926-41-2P 248926-42-3P 248926-43-4P 248926-44-5P
248926-46-7P 248926-47-8P 248926-49-0P 248926-54-7P 248926-55-8P
248926-56-9P *248926-57-0P* 248926-58-1P 248926-60-5P
248926-61-6P 248926-62-7P 248926-63-8P 248926-64-9P 248926-65-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of iPF2α-V, its 12-epimer, and a tetradeuterated derivative)

IT *248926-57-0P*
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of iPF2α-V, its 12-epimer, and a tetradeuterated derivative)

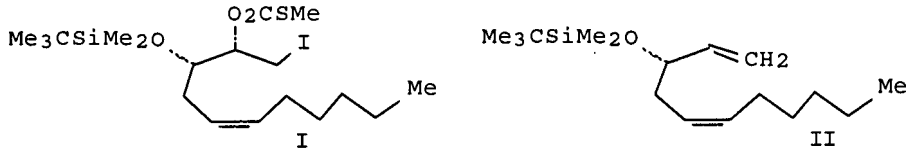
RN 248926-57-0 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-[(2Z)-2-octenyl-5,5,6,6-d4]- (9CI) (CA INDEX

NAME)

Double bond geometry as shown.



L28 ANSWER 7 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:321261 HCAPLUS Full-text
DOCUMENT NUMBER: 131:157660
TITLE: A new method for the preparation of olefins from vicinal diols
AUTHOR(S): Adiyaman, Mustafa; Jung, Young-Ju; Kim, Seongjin; Saha, Goutam; Powell, William S.; FitzGerald, Garret A.; Rokach, Joshua
CORPORATE SOURCE: Claude Pepper Institute and Department of Chemistry, Florida Institute of Technology, Melbourne, FL, 32901, USA
SOURCE: Tetrahedron Letters (1999), 40(21), 4019-4022
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:157660
GI



AB A novel method is reported for the transformation of vicinal diols to olefins. This methodol. consists in the conversion of iodothiocarbonates such as I to olefin II with Ph lithium in excellent yield. Compds. Z-CH:CHCH2CH:CH(CH2)3CO2H and Z-CH:CHCH2CH:CH(CH2)4Me were prepared by this methodol. in order to determine if they would be recognized by the enzymes, 5-lipoxygenase and 15-lipoxygenase, resp.

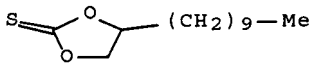
CC 26-3 (Biomolecules and Their Synthetic Analogs)
Section cross-reference(s): 7, 23, 33

IT 1119-87-5P, 1,2-Dodecanediol 172657-84-0P 182412-47-1P 190390-47-7P 190390-48-8P 237739-00-3P 237739-01-4P *237739-03-6P* 237739-04-7P 237739-05-8P 237739-06-9P 237739-07-0P 237739-08-1P *237739-09-2P* 237739-10-5P 237739-12-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(new method for preparation of olefins from vicinal diols)

IT *237739-03-6P 237739-09-2P*

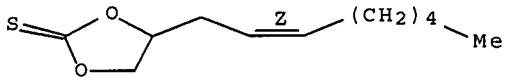
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(new method for preparation of olefins from vicinal diols)

RN 237739-03-6 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-decyl- (9CI) (CA INDEX NAME)



RN 237739-09-2 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-(2Z)-2-octenyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



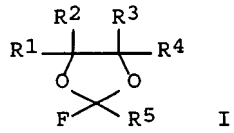
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 8 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:575502 HCAPLUS Full-text
DOCUMENT NUMBER: 127:176417
TITLE: Preparation of fluorinated (oxo)dioxoles as electrochemical solvents
INVENTOR(S): Nakano, Tomoharu; Shiono, Katsuji
PATENT ASSIGNEE(S): Sanyo Chemical Industries Ltd., Japan
SOURCE: Ger. Offen., 16 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19700656	A1	19970724	DE 1997-19700656	19970110
DE 19700656	B4	20060831		
JP 09251861	A	19970922	JP 1996-56721	19960219
JP 3461997	B2	20031027		
US 5750730	A	19980512	US 1996-777867	19961231
JP 09286785	A	19971104	JP 1997-14458	19970109

PRIORITY APPLN. INFO.: JP 1996-20452 A 19960110
JP 1996-20453 A 19960110
JP 1996-56720 A 19960219
JP 1996-56721 A 19960219

OTHER SOURCE(S): MARPAT 127:176417
GI



I

AB Title compds., e.g., I (R1-R4 = H or alkyl; R5 = H, F, CFXY; X,Y = H, F, alkyl) were prepared Thus, propylene thiocarbonate was treated with Bu4NF(HF)2 and N-iodosuccinimide to give 2,2-difluoro-4-methyl-1,3- dioxolane. Data for properties of I were given.

IC ICM C07D317-42
ICS C07D317-16; C07D317-32; H01M010-40; H01G009-038

ICA C07D317-38

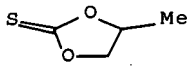
CC 28-5 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 72

IT 453-16-7, 3-Fluoro-1,2-propanediol *13303-26-9*, 1,3-Dioxolane-2-thione, 4-methyl- 20628-59-5, Ethylene thiocarbonate 194018-01-4, 3-Fluoro-1,2-butanediol
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of fluorinated (oxo)dioxoles as electrochem. solvents)

IT *13303-26-9*, 1,3-Dioxolane-2-thione, 4-methyl-
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of fluorinated (oxo)dioxoles as electrochem. solvents)

RN 13303-26-9 HCAPLUS

CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



L28 ANSWER 9 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:556727 HCAPLUS Full-text

DOCUMENT NUMBER: 121:156727

TITLE: A facile synthesis of α,α-difluoroalkyl ethers and carbonyl fluoride acetals by oxidative desulfurization-fluorination

AUTHOR(S): Kuroboshi, M.; Hiyama, T.

CORPORATE SOURCE: Res. Lab. Resources Utilization, Tokyo Inst. Technol., Kanagawa, 227, Japan

SOURCE: Synlett (1994), (4), 251-2
CODEN: SYNLES; ISSN: 0936-5214

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 121:156727

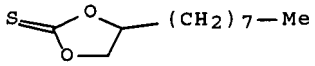
AB α,α-Difluoro ethers and carbonyl fluoride acetals were readily prepared from thiocarboxylic acid O-esters and O,O'-disubstituted thiocarbonate, resp., in moderate to good yields by the action of tetrabutylammonium dihydrogen trifluoride and N-bromo- or N-iodosuccinimide. Thus, treatment of MeC(S)OCH2Ph with Bu4NH2F3 and NBS in CH2Cl2 at room temperature for 0.5 h afforded 37% MeCF2OCH2Ph.

CC 21-2 (General Organic Chemistry)

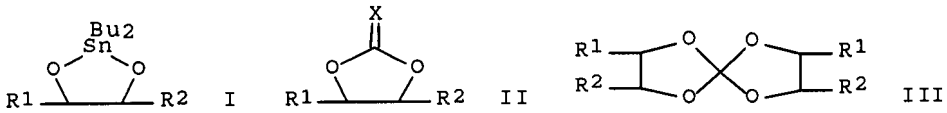
IT 2231-05-2P, 1,3-Benzodioxole-2-thione 4412-52-6P 33373-00-1P
33373-19-2P *86170-74-3P* 116447-63-3P 157489-12-8P,
4H-1,3-Benzodioxin-2-thione 157489-14-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of carbonyl fluoride acetal)

IT *86170-74-3P*
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of carbonyl fluoride acetal)

RN 86170-74-3 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-octyl- (9CI) (CA INDEX NAME)



L28 ANSWER 10 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:492165 HCAPLUS Full-text
DOCUMENT NUMBER: 115:92165
TITLE: Activation and control of the reaction of dioxastannolane with carbon disulfide and phenyl isothiocyanate by the addition of bases
AUTHOR(S): Yano, Katsunori; Baba, Akio; Matsuda, Haruo
CORPORATE SOURCE: Fac. Eng., Osaka Univ., Suita, 565, Japan
SOURCE: Chemische Berichte (1991), 124(8), 1881-4
CODEN: CHBEAM; ISSN: 0009-2940
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 115:92165
GI

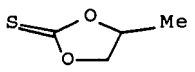


AB 1,3-Dioxa-2-stannolanes, e.g., I (R1 = H, Me, R2 = Me, Et, Me3C, Ph, CH2OMe) are readily activated by Lewis bases such as Bu3P and Et3N to give cycloadducts upon reaction with CS2 or isothiocyanates under mild conditions. In particular, bases play a characteristic role in the reaction with CS2 to produce 1,3-dioxolane-2-thiones II (X = S) in good yields, while spiro compds. III are predominantly obtained in the absence of bases. I (R1 = R2 = Me) with R3NCS (R3 = Me, Bu, Ph) afford imines II (X = NR3) in high yields.

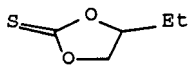
CC 28-10 (Heterocyclic Compounds (More Than One Hetero Atom))

IT *13303-26-9P* 56155-84-1P 56194-03-7P 66841-50-7P
116447-63-3P *134110-51-3P* *134110-52-4P* 134110-53-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by cycloaddn. of carbon disulfide and dioxastannolane derivative in presence of base)

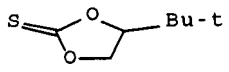
IT *13303-26-9P 134110-51-3P 134110-52-4P*
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by cycloaddn. of carbon disulfide and dioxastannolane derivative in presence of base)
RN 13303-26-9 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



RN 134110-51-3 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-ethyl- (9CI) (CA INDEX NAME)



RN 134110-52-4 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



L28 ANSWER 11 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:559287 HCAPLUS Full-text
DOCUMENT NUMBER: 115:159287
TITLE: Synthetic application of dioxastannolanes and separation of 1,2-dioldiastereomers
AUTHOR(S): Baba, Akio; Yano, Katsunori; Matsuda, Haruo
CORPORATE SOURCE: Fac. Eng., Osaka Univ., Suita, 565, Japan
SOURCE: Kenkyu Hokoku - Asahi Garasu Zaidan (1990), 57, 55-64
CODEN: KHAZE2; ISSN: 0916-7064
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
OTHER SOURCE(S): CASREACT 115:159287
AB Addition of base [pyridine, Ph3P, Bu3P, Ph3PS, THF, Et3N, PO(NMe2)3] to the solution containing 2,2-dibutyl-1,3,2-dioxastannolane (I) derivs. causes dissociation of dimeric and polymerized I into monomeric I derivs. trans- And cis-4,5-dimethyl-I were prepared by azeotropic dehydration of 2,3-butanediol with Bu2SnO in 3 h followed by stirring the C6H6 solution with equivalent amount of base at 80° for 2 h. Crysts. of trans-isomer separated on cooling and the filtrate gave cis-ones. trans- And cis-4,5-hexahydrobenzo-I was prepared by the procedure from 1,2-cyclohexanediol. 1,3-dioxolan-2-one, 4-methyl-1,3-dioxolan-2-one, trans- and cis-dimethyl-1,3-dioxolan-2-one were prepared from I, 4-methyl-I, and 4,5-dimethyl-I by the reaction with base and CH2Cl2 at 100° under 50 kg/cm2 CO2 atmospheric 4-Methyl-, 4-ethyl-, 4-tert-Bu, 4-methoxymethyl-, trans- and cis-4,5-dimethyl-, 4,5-hexahydrobenzo-1,3-

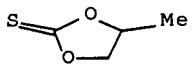
dioxolane-4-thiones were obtained by the reaction of I derivs. with base in CH2Cl2 solution at 50°. Without base catalyst, the reaction gave 2,7-dialkyl- and trans-trans- and cis-cis-tetraalkyl-1,4-6,9-tetraoxaspiro[4.4]nonane. cis- And trans-4,5-dimethyl- and 4,5-hexahydrobenzo-2-phenyl-imino-1,3-dioxolanes were prepared

CC 29-8 (Organometallic and Organometalloidal Compounds)
Section cross-reference(s): 28

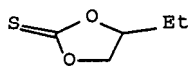
IT 96-49-1P, 1,3-Dioxolan-2-one 108-32-7P 5271-61-4P 5271-62-5P 5271-63-6P *13303-26-9P* 16166-55-5P 24471-99-6DP, 1,4,6,9-Tetraoxaspiro[4.4]nonane, 2,7-dialkyl derivs. 29882-37-9P 36368-39-5P 56194-03-7P 65941-76-6P 66841-50-7P 88341-32-6P 109632-71-5P 132783-13-2P 132783-14-3P *134110-51-3P* *134110-52-4P* 134110-53-5P 134110-54-6P 134175-77-2P 136094-77-4P 136094-78-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

IT *13303-26-9P* *134110-51-3P* *134110-52-4P*
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

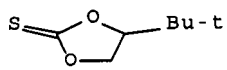
RN 13303-26-9 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



RN 134110-51-3 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-ethyl- (9CI) (CA INDEX NAME)

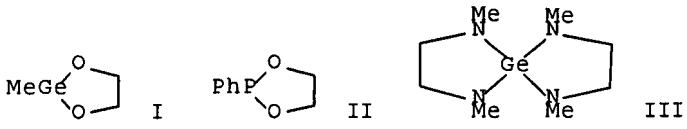


RN 134110-52-4 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



L28 ANSWER 12 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:36026 HCAPLUS Full-text
DOCUMENT NUMBER: 112:36026
TITLE: Exchange reactions of germylated dioxolanes, oxazolidines, and imidazolidines
AUTHOR(S): Dousse, G.; Lavayssiere, H.; Satge, J.
CORPORATE SOURCE: Lab. Chim. Organominer., Univ. Paul Sabatier, Toulouse, 31062, Fr.
SOURCE: Synthesis and Reactivity in Inorganic and

Metal-Organic Chemistry (1989), 19(1), 49-74
CODEN: SRIMCN; ISSN: 0094-5714
DOCUMENT TYPE: Journal
LANGUAGE: French
OTHER SOURCE(S): CASREACT 112:36026
GI



AB Exchange reactions between several germylated heterocycles (germadioxolanes - oxazolidines, -diazolidines) and covalent dihalides (PhN:CCl2, S:CCl2, PhPCl2, PhAsCl2, O:SCl2) in neutral solns. produce in good yields the corresponding carbon, phosphorus, arsenic, and sulfur heterocycles. E.g., treating germadioxolane I with PhPCl2 gave 55% phosphadioxolane II. Spirogermanes, e.g., III, are obtained when GeCl4 is used instead of covalent dihalides. A reaction mechanism is proposed on the basis of the exchange reaction between SOCl2, and the germylated dioxolanes in their meso and threo (d,l) isomeric forms.

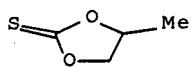
CC 29-8 (Organometallic and Organometalloidal Compounds)

IT 1006-83-3P 1885-79-6P 2933-49-5P 3741-38-6P *13303-26-9P*
13461-16-0P 15108-72-2P 19969-95-0P 20628-59-5P,
1,3-Dioxolane-2-thione 22429-12-5P 25643-78-1P 30537-18-9P
56521-09-6P 124238-91-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by reaction of germylated heterocycles with covalent dihalides)

IT *13303-26-9P*
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by reaction of germylated heterocycles with covalent dihalides)

RN 13303-26-9 HCAPLUS

CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



L28 ANSWER 13 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1988:528794 HCAPLUS Full-text
DOCUMENT NUMBER: 109:128794
TITLE: Synthetic applications of di-2-pyridyl thionocarbonate as a dehydration, a dehydrosulfurization, and a thiocarbonyl transfer reagent
AUTHOR(S): Kim, Sunggak; Yi, Kyu Yang
CORPORATE SOURCE: Dep. Chem., Korea Adv. Inst. Sci. Technol., Seoul,

131, S. Korea
SOURCE: Bulletin of the Korean Chemical Society (1987), 8(6), 466-70
CODEN: BKCSDE; ISSN: 0253-2964
DOCUMENT TYPE: Journal
LANGUAGE: English

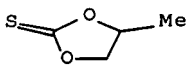
AB Thiophosgene was treated with 2-pyridinol to give O,O-bis(2-pyridyl) thionocarbonate (I) which was used in the dehydration of oximes, esterification of carboxylic acids with alcs., and other reactions. Octanoic acid was treated with R1OH (R1 = alkyl, PhCH2) and I to give Me(CH2)6CO2R1; nitriles R2CN (R2 = aryl, octyl, PhCH2CH2) were obtained from the resp. R2CH:NOH and I. I reacted with amines to give the resp. isothiocyanates. The treatment of 1,3-disubstituted thioureas with I gave the resp. carbodiimides. Alkanediols and I gave alkylene thionocarbonates.

CC 27-16 (Heterocyclic Compounds (One Hetero Atom))
Section cross-reference(s): 23, 24, 25, 28

IT 57-06-7P, Allyl isothiocyanate 93-89-0P, Ethyl benzoate 101-41-7P, Methyl phenylacetate 102-16-9P, Benzyl phenylacetate 103-72-0P, Phenyl isothiocyanate 104-85-8P, 4-Methylbenzonitrile 120-51-4P, Benzyl benzoate 538-75-0P, Dicyclohexylcarbodiimide 590-42-1P, 1,1-Dimethylethyl isothiocyanate 592-82-5P, Butyl isothiocyanate 619-72-7P, 4-Nitrobenzonitrile 622-16-2P, Diphenylcarbodiimide 622-59-3P, 4-Methylphenyl isothiocyanate 622-78-6P, Benzyl isothiocyanate 623-03-0P, 4-Chlorobenzonitrile 645-59-0P, 3-Phenylpropionitrile 691-24-7P 874-90-8P, 4-Methoxybenzonitrile 1122-82-3P, Cyclohexyl isothiocyanate 1202-53-5P 1538-75-6P, Pivalic anhydride 2094-69-1P, Benzyl pivalate 2131-61-5P, 4-Nitrophenyl isothiocyanate 2219-34-3P 3289-28-9P, Ethyl cyclohexanecarboxylate 3878-67-9P 4192-77-2P, Ethyl trans-cinnamate 4360-47-8P 4426-79-3P, 2-Butyl isothiocyanate 5005-35-6P, 2-Pyridyl benzoate 5457-66-9P 5458-59-3P, Isopropyl octanoate 6553-80-6P, Isopropyl cyclohexanecarboxylate 10276-85-4P, Benzyl octanoate *13303-26-9P* 13303-28-1P 19244-05-4P 20628-59-5P, 1,3-Dioxolane-2-thione 21848-95-3P 29962-76-3P, Naphthyl isothiocyanate 37934-99-9P, 2,2,2-Trichloroethyl benzoate 56155-93-2P 59658-05-8P 84443-53-8P 89398-02-7P, 2-Pyridyl octanoate 102368-18-3P 105147-19-1P, 2-Pyridyl cyclohexanecarboxylate 116447-62-2P 116447-63-3P 116447-64-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

IT *13303-26-9P*
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 13303-26-9 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)

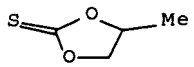


L28 ANSWER 14 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:594292 HCAPLUS Full-text
DOCUMENT NUMBER: 105:194292
TITLE: Modified succinimides (VIII)
INVENTOR(S): Wollenberg, Robert H.
PATENT ASSIGNEE(S): Chevron Research Co. , USA
SOURCE: U.S., 7 pp.

CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

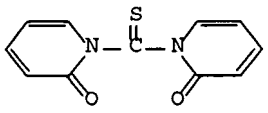
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4609378	A	19860902	US 1985-722908	19850412
US 4670170	A	19870602	US 1986-853499	19860418
PRIORITY APPLN. INFO.:			US 1985-722908	A3 19850412

OTHER SOURCE(S): MARPAT 105:194292
GI For diagram(s), see printed CA Issue.
AB Dispersants-detergents for fuels (e.g., gasoline or diesel fuel) and lubricating oils are succinimides modified by reaction of polyamino alkenyl- or alkylsuccinimides with a cyclic thiocarbonate I (R = C2-3 alkylene or C2-3 alkylene group substituted with ≤3 C2-3-alkyl groups). A modified succinimide was prepared by reaction of a succinimide dispersant composition (prepared by reacting polyisobutenylsuccinic anhydride and triethylenetetramine) and 1,3-dioxalan-2-thione at 150 ± 5° for 3 h.
IC ICM C10L001-24
INCL 044057000
CC 51-7 (Fossil Fuels, Derivatives, and Related Products)
IT 108-30-5D, polyisobutenyl derivs., reaction products with triethylenetetramine and cyclic thiocarbonates 112-24-3D, reaction products with polyisobutenylsuccinic anhydride and cyclic thiocarbonates *13303-26-9D*, reaction products with polyisobutenylsuccinic anhydride and triethylenetetramine 20628-59-5D, reaction products with polyisobutenylsuccinic anhydride and triethylenetetramine
RL: USES (Uses)
(fuel or lubricating oil detergents-dispersants)
IT *13303-26-9D*, reaction products with polyisobutenylsuccinic anhydride and triethylenetetramine
RL: USES (Uses)
(fuel or lubricating oil detergents-dispersants)
RN 13303-26-9 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



L28 ANSWER 15 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:424161 HCAPLUS Full-text
DOCUMENT NUMBER: 105:24161
TITLE: 1,1'-Thiocarbonyldi-2,2'-pyridone. A new useful reagent for functional group conversions under essentially neutral conditions
AUTHOR(S): Kim, Sunggak; Yi, Kyu Yang
CORPORATE SOURCE: Dep. Chem., Korea Adv. Inst. Sci. Technol., Seoul, 131, S. Korea
SOURCE: Journal of Organic Chemistry (1986), 51(13), 2613-15
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 105:24161

GI



I

AB Thiocarbonylbispyridone I was used for dehydration of hydroxylamines to nitriles and for dehydrosulfurization of thioureas to carbodiimides. In addition, I was used as a thiocarbonyl transfer reagent to produce isothiocyanates and cyclic thionocarbonates. I was also used in the dehydroxylation of several protected monosaccharides and sterols.

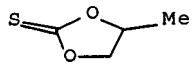
CC 27-16 (Heterocyclic Compounds (One Hetero Atom))
Section cross-reference(s): 32, 33

IT 100-47-0P, preparation 103-72-0P 104-85-8P 124-12-9P 140-29-4P 538-75-0P 570-74-1P 590-42-1P 619-72-7P 622-16-2P 622-78-6P 623-03-0P 691-24-7P 766-05-2P 1424-14-2P 2131-61-5P 2219-34-3P 2243-27-8P 4026-27-1P *13303-26-9P* 20628-59-5P 25824-80-0P 56155-93-2P 64503-68-0P 68880-90-0P 102368-18-3P 102368-19-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

IT *13303-26-9P*
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 13303-26-9 HCAPLUS

CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



L28 ANSWER 16 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1983:422362 HCAPLUS Full-text

DOCUMENT NUMBER: 99:22362

TITLE: Thione reductions for preparation of five-membered heterocycles

AUTHOR(S): Williams, D. R.; Moore, J. L.

CORPORATE SOURCE: Dep. Chem., Indiana Univ., Bloomington, IN, 47405, USA

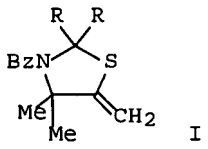
SOURCE: Tetrahedron Letters (1983), 24(4), 339-42
CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 99:22362

GI



I

AB Reduction of a variety of 5-membered 1,3-disubstituted heterocyclic thiones with Bu3SnH gave the corresponding saturated derivs. E.g., reduction of thiazole I (R2 = S) by Bu3SnH in refluxing PhMe, using AIBN as initiator, for 30 min gave 94% I (R = H). Similar reaction of 6-membered 1,3-disubstituted heterocyclic thiones led to hydrolytic ring cleavage.

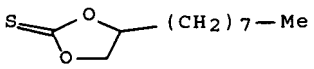
CC 28-7 (Heterocyclic Compounds (More Than One Hetero Atom))

IT 86170-72-1 86170-73-2 86170-74-3 86179-36-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(reduction of)

IT 86170-74-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(reduction of)

RN 86170-74-3 HCAPLUS

CN 1,3-Dioxolane-2-thione, 4-octyl- (9CI) (CA INDEX NAME)



L28 ANSWER 17 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1981:515850 HCAPLUS Full-text

DOCUMENT NUMBER: 95:115850

TITLE: The deoxygenation of N,N-dialkylaminothiocarbonyloxyal kanes

AUTHOR(S): Barrett, Anthony G. M.; Prokopiou, Panayiotis A.; Barton, Derek H. R.

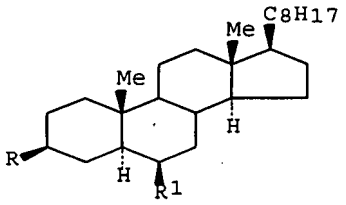
CORPORATE SOURCE: Dep. Chem., Imp. Coll., London, SW7 2AY, UK

SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1981), (5), 1510-15
CODEN: JCPRB4; ISSN: 0300-922X

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



I

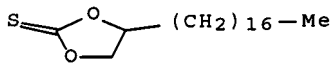
AB N,N-Dialkylaminothiocarbonyloxyalkanes were reduced to alkanes on treatment with K/18-crown-6/Me3CNH2 or Li/EtNH2. Cholestane I [R = R1 = R2CSO (R2 = 1-pyrrolidinyl)] gave I (R = R1 = OH; R = H, R1 = OH; R1 = OH, R1 = H; and R = R1 = H) (5, 15, 12, and 62%, resp.) on reduction with K and 18-crown-6 (Me3CNH2, THF, under N). This reaction, and the analogous reduction of related alkyl, glucofuranyl, and oxirane compds., provides a general method for the deoxygenation of primary and secondary alcs.

CC 32-6 (Steroids)
Section cross-reference(s): 23, 27, 33

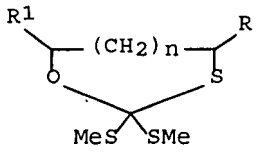
IT 73532-40-8P 73532-41-9P 73532-42-0P 73532-43-1P 73532-44-2P
73532-45-3P 78916-29-7P 78916-30-0P 78916-31-1P 78916-32-2P
78916-33-3P 78916-34-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of, by alkali metals)

IT 78916-33-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of, by alkali metals)

RN 78916-33-3 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-heptadecyl- (9CI) (CA INDEX NAME)



L28 ANSWER 18 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:442372 HCAPLUS Full-text
DOCUMENT NUMBER: 89:42372
TITLE: Synthesis of O,S-alkanediyl S,S-dimethyl trithioorthocarbonates by thermolysis of O,O'-alkanediyl S,S'-dimethyl bis(dithiocarbonates)
AUTHOR(S): Faure, Alain; Descotes, Gerard
CORPORATE SOURCE: Lab. Chim. Org. II, Univ. Lyon, Villeurbanne, Fr.
SOURCE: Synthesis (1978), (4), 286-8
CODEN: SYNTBF; ISSN: 0039-7881
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 89:42372
GI



II

AB Treatment of HOCHR(CH2)nCHR1OH [R = H, Me; R1 = H, Me; RR1 = (CH2)4; n = 0, 1] with NaOH or NaH followed by CS2 and MeI in Me2SO gave 65-82% MeSC(S)OCRH(CH2)nCHR1OC(S)SMe (I) and small amts. of O,O-alkanediyl thiocarbonates and/or monoxanthates. Thermolysis of I gave 48-95% II; with I (R = R1 = H, n = 1), 46% MeSC(O)S(CH2)3SC(O)SMe was also obtained.

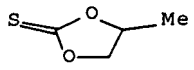
CC 23-17 (Aliphatic Compounds)

IT 2080-58-2P *13303-26-9P* 20628-59-5P 20628-60-8P 56155-84-1P 56194-03-7P 66822-89-7P 66822-90-0P 66822-91-1P 66822-92-2P 66822-93-3P 66822-94-4P 66822-95-5P 66822-96-6P 66841-50-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

IT *13303-26-9P*
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 13303-26-9 HCAPLUS

CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



L28 ANSWER 19 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1974:463037 HCAPLUS Full-text

DOCUMENT NUMBER: 81:63037

TITLE: Chiroptical properties of cyclic esters and ketals derived from (S)-1,2-propylene glycol and (S,S)- and (R,R)-2,3-butylene glycol

AUTHOR(S): Usieli, Varda; Pilersdorf, A.; Shor, Sharona; Katzhendler, J.; Sarel, S.

CORPORATE SOURCE: Sch. Pharm., Hebrew Univ., Jerusalem, Israel

SOURCE: Journal of Organic Chemistry (1974), 39(14), 2073-9
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

GI For diagram(s), see printed CA Issue.

AB Optically pure five-membered ring thionocarbonates (I, II, III; X = C:S), carbonates (I, II, III; X = C:O), sulfites (IV, V; II, III; X = S:O), phosphite (VI), and 2-bromo and 2-chloromethyl-1,3-dioxolanes (VII, VIII, IX, and X) were prepared from the 3 title diols by standard methods and their uv and CD spectra were measured in various solvents over the range 185-400 mμ at room temperature The CD spectra of I, II, III (X = S:O) displayed two well-defined Cotton effects of opposite signs and of diverse intensities centered at 222-235 and 325 mμ, related to the uv $\pi \rightarrow \pi^*$ and $n \rightarrow \pi^*$ transitions, resp. The sign of the long-wavelength Cotton effect is associated with the chirality

of the heterocycle ring. A pos. ellipticity for the n → π* transition is assigned to thiononcarbonates of R configuration, and vice versa, a neg. one for the S series. Cyclic carbonates do not show CD maxima above 185 mμ; the curves of dichroic absorption for the R and S forms are antipodal and their signs correlate with those of the long-wavelength Cotton effect of the corresponding thionocarbonates. The condensation of (S)-1,2-propylene glycol with thionyl chloride gave rise to the expected isomers of opposite rotations, IV and V, exhibiting similar dichroic bands centered at 212-225 and 195-200 mμ. The condensation of (S)-1,2-propylene glycol with bromoacetaldehyde again led to the expected cis and trans isomers. The dichroic curves of the geometric isomers and of IX do not correspond to those of the uv spectra. A CD study of the title glycols is herein included.

CC 22-9 (Physical Organic Chemistry)

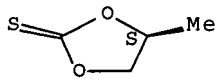
IT 35677-60-2 *51175-86-1* 51175-87-2 51260-39-0 51260-40-3
51260-41-4 51260-42-5 51260-43-6 51260-44-7 51260-45-8
51260-46-9 51260-47-0 51261-82-6
RL: PRP (Properties)
(uv spectrum and circular dichroism of)

IT *51175-86-1*
RL: PRP (Properties)
(uv spectrum and circular dichroism of)

RN 51175-86-1 HCAPLUS

CN 1,3-Dioxolane-2-thione, 4-methyl-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L28 ANSWER 20 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1972:126285 HCAPLUS Full-text
DOCUMENT NUMBER: 76:126285
TITLE: New method of synthesis of deuterated olefins
AUTHOR(S): Tischhauser, C. A.; Perlmutter, H. D.
CORPORATE SOURCE: Dep. Chem. Eng. Chem., Newark Coll. Eng., Newark, NJ, USA
SOURCE: Journal of Labelled Compounds (1972), 8(1), 105-10
CODEN: JLCAAI; ISSN: 0022-2135
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Olefins, completely deuterium-labeled about the double-bond, were prepared from appropriate diketones or oxo acids by reduction with LiAlD4, reaction of the glycol formed with thiocarbonyldiimidazole to give thiocarbonate esters, and pyrolysis of these to give the olefins. Thus prepared were PhCD:CDPh and Me(CH2)5CD:CD2.

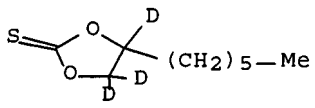
CC 23 (Aliphatic Compounds)
Section cross-reference(s): 25

IT 36219-33-7 36219-34-8 36239-23-3 *36239-24-4*
RL: RCT (Reactant); RACT (Reactant or reagent)
(pyrolysis of)

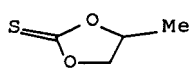
IT *36239-24-4*
RL: RCT (Reactant); RACT (Reactant or reagent)
(pyrolysis of)

RN 36239-24-4 HCAPLUS

CN 1,3-Dioxolane-2-thione-4,4,5-d3, 5-hexyl- (9CI) (CA INDEX NAME)

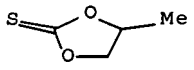


L28 ANSWER 21 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1970:445387 HCAPLUS Full-text
DOCUMENT NUMBER: 73:45387
TITLE: Synthesis of cyclic thioncarbonates and spiroorthocarbonates from bis(tributyltin) alkylene glycolates and carbon disulfide
AUTHOR(S): Sakai, Shizuyoshi; Kiyohara, Yoshiharu; Itoh, Kenji; Ishii, Yoshio
CORPORATE SOURCE: Fac. Eng., Nagoya Univ., Nagoya, Japan
SOURCE: Journal of Organic Chemistry (1970), 35(7), 2347-51
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Cyclic thioncarbonates (e.g. I) and sym. spiroorthocarbonates (e.g. II) were readily prepared in excellent yields from CS2 and bis(tributyltin) alkylene glycolates having a C2-4 glycol unit, together with bis(tributyltin) sulfide. Unsym. spiroorthocarbonates were obtained by the reaction of alkylene thionecarbonates with other types of bis(tributyltin) alkylene glycolates. On the other hand, bis(tributyltin) alkylene glycolate having a bulky or longer glycol unit above C5 reacted with CS2 to form the insertion product to the tin-oxygen bond, but did not give any cyclic compound
CC 28 (Heterocyclic Compounds (More Than One Hetero Atom))
IT *13303-26-9P* 20628-59-5P 24471-90-7P 24471-91-8P
24471-92-9P 24471-93-0P 24471-94-1P 24471-95-2P 24471-98-5P
24471-99-6P 24472-00-2P 24472-01-3P 24472-02-4P 24472-03-5P
24472-04-6P 24472-05-7P 24472-06-8P 24472-07-9P 24472-08-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
IT *13303-26-9P*
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 13303-26-9 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



L28 ANSWER 22 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1966:507402 HCAPLUS Full-text
DOCUMENT NUMBER: 65:107402
ORIGINAL REFERENCE NO.: 65:19965f-h,19966a

TITLE: Rearrangement of bis(o-thiocarbonyl) disulfides
AUTHOR(S): Shasha, B. S.; Doane, W. M.; Russell, C. R.; Rist, C. E.
CORPORATE SOURCE: Northern Reg. Res. Lab., U.S.D.A., Peoria, IL
SOURCE: Nature (London, United Kingdom) (1966), 211(5052), 965-6
CODEN: NATUAS; ISSN: 0028-0836
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB The monoxanthide of 1,2-propanediol on standing either 3 days at 25° or in anhydrous pyridine 3 hrs. at 25° rearranged to equimolar amts. of 1,2-propanediol, 1,2-propane thionocarbonate, CS2, and elemental S. The thionocarbonate was recovered as an oil, the uv spectrum showed λMeOH 234 mμ (ε 13,800). The extinction coefficient of 1,2-O-isopropylidene-α-D-glucofuranose 5,6-thionocarbonate at 234 mμ was 15,700. The monoxanthide of 2,2-dimethyl-1,3-propanediol (I), m. 103-6°; λMeOHmax. 240 mμ (ε 20,000), 285 mμ (ε 11,400). When I was allowed to stand in anhydrous pyridine 4 hrs. at 45°, equimolar amts. of CS2, elemental S, and the cyclic thionocarbonate derivative (II) of 2,2-dimethyl-1,3-propanediol were identified. Compound II was crystalline, m. 101°, λMeOH 244 mμ (ε 14,500). When a dioxane solution of 2,2-dimethyl-1,3-propanediol was treated with a large excess of NaOH (12N) and CS2, the dixanthate was obtained. Treatment with iodine gave the corresponding crystalline dixanthide (III) in a 40% yield, m. 183-5°, λ 99% MeOH-1% dioxane 240 mμ (ε 18,600), 285 mμ (ε 6400). The dixanthide was recovered unchanged on treating with pyridine at room temperature 18 hrs. but on heating 30 min., on a steam bath, III decomposed with rearrangement to give elemental S, CS2, COS, and a cyclic dithiocarbonate derivative (IV), 95% yield, m. 62-3°; λMeOH 225 mμ (ε 5300), 295 mμ (ε 12,000).
CC 32 (Physical Organic Chemistry)
IT *13303-26-9P*, Carbonic acid, thio-, cyclic O,O-propylene ester
13303-26-9P, 1,2-Propanediol, cyclic O,O-thiocarbonate
13303-28-1P, Carbonic acid, thio-, cyclic O,O-2,2-dimethyltrimethylene ester 13303-28-1P, m-Dioxane-2-thione, 5,5-dimethyl- 21033-22-7P, 1,3-Oxathiolane-2-thione, 5,5-dimethyl-
RL: PREP (Preparation)
(preparation of)
IT *13303-26-9P*, Carbonic acid, thio-, cyclic O,O-propylene ester
RL: PREP (Preparation)
(preparation of)
RN 13303-26-9 HCAPLUS
CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



L28 ANSWER 23 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1963:14488 HCAPLUS Full-text
DOCUMENT NUMBER: 58:14488
ORIGINAL REFERENCE NO.: 58:2356e-f
TITLE: Reaction of some alkene oxides with carbon oxysulfide
AUTHOR(S): Razuvaev, G. A.; Etlis, V. S.; Grobov., L. N.
SOURCE: Zhurnal Obshchei Khimii (1962), 32, 994-6

CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB Heating ethylene oxide with 1 mol COS in the presence of 0.5% Et4NBr in ampul 8-10 h. at 90-100° gave 32% ethylene carbonate, m. 36°, and 35% ethylene dithiocarbonate (I), m. 34°, isolated by freezing out of the crude fraction, b4 90-2°. The reaction also gave a fraction, b2 75-8°, n20D 1.5335 (11.5%), which at 200° with Na2CO3 gave CO2 and ethylene sulfide, n25D 1.4898, which also formed on similar decomposition of I. Propylene oxide and COS similarly gave 83.6% product, b4 85.5-6.5°, d20 1.2586, n20D 1.5030, identified as propylene thiocarbonate. Epichlorohydrin similarly gave 89.7% 3-chloropropylene thiocarbonate, b4 121-2°, 1.4614, 1.5320. The alkylene thiocarbonates were also prepared from thioglycols and COCl2. The monothiocarbonates were found to be good solvents for certain chlorinated polymers. IR spectra of the products are reported. Glycidol and COS reacted violently and gave tars. Since the monothiocarbonates shown above are not attacked by aqueous HNO3, they are probably 1-thio-2,3-dioxalanes.

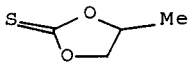
CC 33 (Aliphatic Compounds)

IT 96-49-1P, Carbonic acid, cyclic ethylene ester 2080-58-2P, Carbonic acid, dithio-, cyclic S,S-ethylene ester *13303-26-9P*, Carbonic acid, thio-, cyclic O,O-propylene ester 89602-82-4P, Carbonic acid, thio-, cyclic O,O-[(chloromethyl)ethylene] ester
RL: PREP (Preparation)
(preparation of)

IT *13303-26-9P*, Carbonic acid, thio-, cyclic O,O-propylene ester
RL: PREP (Preparation)
(preparation of)

RN 13303-26-9 HCAPLUS

CN 1,3-Dioxolane-2-thione, 4-methyl- (9CI) (CA INDEX NAME)



L28 ANSWER 24 OF 29 USPATFULL on STN DUPLICATE 1

ACCESSION NUMBER: 2003:166595 USPATFULL Full-text

TITLE: Non-steroidal IL-5 inhibitors, processes and intermediates for their preparation and pharmaceutical compositions comprising said inhibitors

INVENTOR(S): Lacrampe, Jean Fernand Armand, Le Mesnil Esnard, FRANCE
Freyne, Eddy Jean Edgard, Rumst, BELGIUM
Deroose, Frederik Dirk, Sinit-Amandsberg, BELGIUM
Fortin, Jerome Michel Claude, Lery, FRANCE
Coesemans, Erwin, Nijlen, BELGIUM

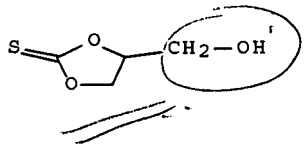
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003114453	A1	20030619
	US 6911444	B2	20050628
APPLICATION INFO.:	US 2002-75876	A1	20020214 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2000-EP7358, filed on 31 Jul 2000, UNKNOWN

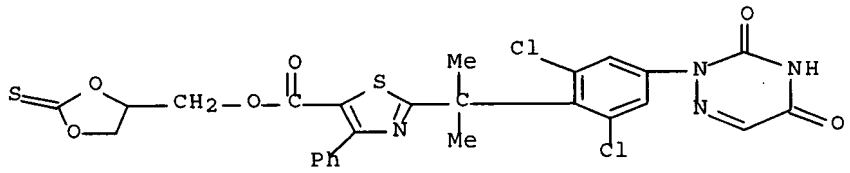
	NUMBER	DATE
PRIORITY INFORMATION:	EP 1999-870170	19990806

EP 1999-126035 19991227
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
LINE COUNT: 4648
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to IL-5 inhibiting 6-azauracil derivatives useful for treating eosinophil-dependent inflammatory diseases, to processes and intermediates for their preparation as well as to pharmaceutical compositions comprising the said derivatives. It further relates to the use of such derivatives as a medicine, and to processes for marking a receptor or imaging an organ using the said derivatives.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT *142832-57-3*
(starting material; preparation of IL-5 inhibiting thiazolylalkylphenyl-6-azauracil derivs. by coupling of 4-dioxotriazinyl-α,α-dimethylbenzeneethanethioamides with α-oxoalkyl halides, cyclization, and addition of functionally substituted groups)
RN 142832-57-3 USPATFULL
CN 1,3-Dioxolane-2-thione, 4-(hydroxymethyl)- (9CI) (CA INDEX NAME)



IT *325968-23-8P*
(target compound; preparation of IL-5 inhibiting thiazolylalkylphenyl-6-azauracil derivs. by coupling of 4-dioxotriazinyl-α,α-dimethylbenzeneethanethioamides with α-oxoalkyl halides, cyclization, and addition of functionally substituted groups)
RN 325968-23-8 USPATFULL
CN 5-Thiazolecarboxylic acid, 2-[1-[2,6-dichloro-4-(4,5-dihydro-3,5-dioxo-1,2,4-triazin-2(3H)-yl)phenyl]-1-methylethyl]-4-phenyl-, (2-thioxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)



L28 ANSWER 25 OF 29 USPATFULL on STN
ACCESSION NUMBER: 2003:20318 USPATFULL Full-text
TITLE: Process for preparing N-benzyl indoles
INVENTOR(S): Bach, Nicholas James, Indianapolis, IN, United States

Baker, Stephen Richard, Camberley, UNITED KINGDOM
Gilmore, Jeremy, Frimley, UNITED KINGDOM
Lewthwaite, Russell Andrew, Cambridge, UNITED KINGDOM
McKillop, Alexander, Norwich, UNITED KINGDOM
Sawyer, Jason Scott, Indianapolis, IN, United States
Stephenson, George Richard, Norwich, UNITED KINGDOM
Urquhart, Michael William John, Matfield, UNITED KINGDOM

PATENT ASSIGNEE(S): The University of East Anglia, Norwich, UNITED KINGDOM (non-U.S. corporation)
Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6509476	B1	20030121
APPLICATION INFO.:	US 2000-637434		20000811 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1998-103858, filed on 24 Jun 1998, now patented, Pat. No. US 6160120 Division of Ser. No. US 1996-753024, filed on 19 Nov 1996, now patented, Pat. No. US 5807866

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1995-23948	19951123

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Seaman, D. Margaret
LEGAL REPRESENTATIVE: Benjamin, Roger S., Barrett, Brian P., Sayles, Michael J.
NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 1197

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to a method of making N-benzyl indoles, and to intermediates for use in the method, and to certain substantially optically pure N-benzyl indoles obtained by the method.

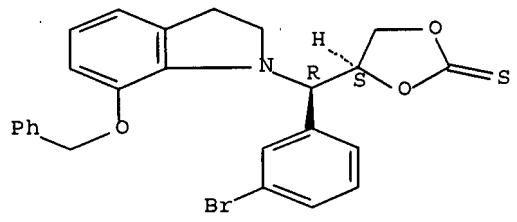
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT *191730-85-5P 191730-86-6P*
(preparation of N-benzylindoles)

RN 191730-85-5 USPATFULL

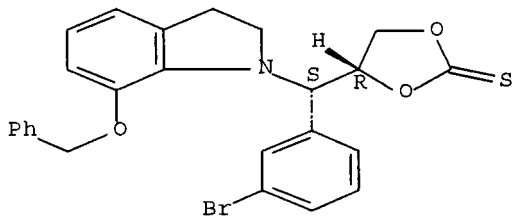
CN 1,3-Dioxolane-2-thione, 4-[(3-bromophenyl)[2,3-dihydro-7-(phenylmethoxy)-1H-indol-1-yl]methyl]-, [S-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 191730-86-6 USPATFULL
CN 1,3-Dioxolane-2-thione, 4-[(3-bromophenyl)[2,3-dihydro-7-(phenylmethoxy)-1H-indol-1-yl]methyl]-, [R-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



L28 ANSWER 26 OF 29 USPATFULL on STN
ACCESSION NUMBER: 2000:168167 USPATFULL Full-text
TITLE: Process for preparing n-benzyl indoles
INVENTOR(S): Bach, Nicholas James, Indianapolis, IN, United States
Baker, Stephen Richard, Camberley, United Kingdom
Gilmore, Jeremy, Frimley, United Kingdom
Lewthwaite, Russell Andrew, Cambridge, United Kingdom
McKillop, Alexander, Norwich, United Kingdom
Sawyer, Jason Scott, Indianapolis, IN, United States
Stephenson, George Richard, Sprowston, United Kingdom
Urquhart, Michael William John, Standings Cross, United Kingdom
PATENT ASSIGNEE(S): Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)
University of East Anglia, Norwich, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6160120		20001212
APPLICATION INFO.:	US 1998-103858		19980624 (9)

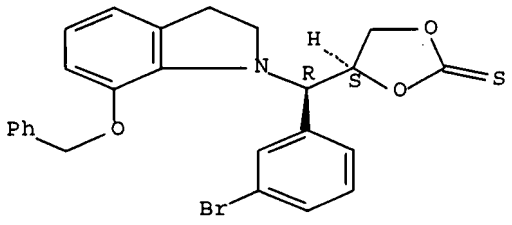
RELATED APPLN. INFO.: Division of Ser. No. US 1996-753024, filed on 19 Nov 1996, now patented, Pat. No. US 5807866
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Seaman, D. Margaret
LEGAL REPRESENTATIVE: Sayles, Michael J., Barrett, Brian P.
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
LINE COUNT: 1123
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to a method of making N-benzyl indoles, and to intermediates for use in the method, and to certain substantially optically pure N-benzyl indoles obtained by the method.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT *191730-85-5P 191730-86-6P*

(preparation of N-benzylindoles)

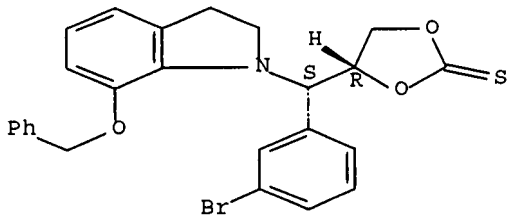
RN 191730-85-5 USPATFULL
CN 1,3-Dioxolane-2-thione, 4-[(3-bromophenyl)[2,3-dihydro-7-(phenylmethoxy)-1H-indol-1-yl]methyl]-, [S-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 191730-86-6 USPATFULL
CN 1,3-Dioxolane-2-thione, 4-[(3-bromophenyl)[2,3-dihydro-7-(phenylmethoxy)-1H-indol-1-yl]methyl]-, [R-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



L28 ANSWER 27 OF 29 USPATFULL on STN

ACCESSION NUMBER:	1998:111946 USPATFULL Full-text
TITLE:	Process for preparing N-benzyl indoles
INVENTOR(S):	Bach, Nicholas James, Indianapolis, IN, United States Baker, Stephen Richard, Surrey, United Kingdom Gilmore, Jeremy, Surrey, United Kingdom Lewthwaite, Russell Andrew, Cambridge, United Kingdom McKillop, Alexander, Norwich, United Kingdom Sawyer, Jason Scott, Indianapolis, IN, United States Stephenson, George Richard, Norwich, United Kingdom Urquhart, Michael William John, Kent, United Kingdom
PATENT ASSIGNEE(S):	The University of East Anglia, Norwich, United Kingdom (non-U.S. corporation) Eli Lilly and Company, Indianapolis, IN, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5807866		19980915	
APPLICATION INFO.:	US 1996-753024		19961119	(8)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1995-23948	19951123
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Clardy, S. Mark	
ASSISTANT EXAMINER:	Qazi, Sabiha N.	
LEGAL REPRESENTATIVE:	Barrett, Brian P., Boone, David E.	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1283	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for producing a compound of the formu5la ##STR1## comprising the step of reacting a compound of the formula ##STR2## with a compound of the formula ##STR3## to form a compound of the formula ##STR4## wherein R.sup.2a is selected from the groups recited above for R.sup.2, or R.sup.2a --X-- is a protected hydroxyl group, and Z is a group of formula --Y--R.sub.5 recited above, or a group that can be converted into a group of said formula --Y--R.sup.5. Intermediates of formula IV and composition containing substantially optically pure enantiomers of Formula (I) are included within the scope of the invention.

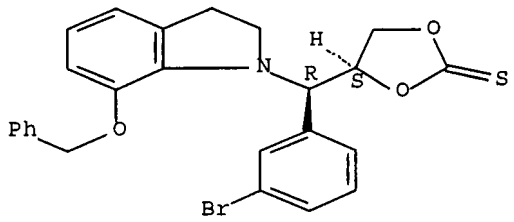
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT *191730-85-5P 191730-86-6P*
(preparation of N-benzylindoles)

RN 191730-85-5 USPATFULL

CN 1,3-Dioxolane-2-thione, 4-[(3-bromophenyl)[2,3-dihydro-7-(phenylmethoxy)-1H-indol-1-yl]methyl]-, [S-(R*,S*)]- (9CI) (CA INDEX NAME)

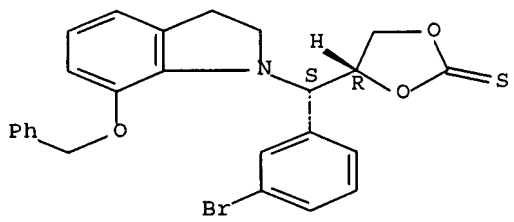
Absolute stereochemistry. Rotation (-).



RN 191730-86-6 USPATFULL

CN 1,3-Dioxolane-2-thione, 4-[(3-bromophenyl)[2,3-dihydro-7-(phenylmethoxy)-1H-indol-1-yl]methyl]-, [R-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



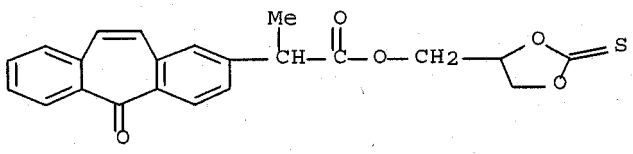
L28 ANSWER 28 OF 29 USPATFULL on STN
ACCESSION NUMBER: 78:49179 USPATFULL Full-text
TITLE: Esters of 2-substituted-5-oxo-5H-dibenzo[a,d]cycloheptenes having pharmaceutical activity, and methods and compositions for the use thereof
INVENTOR(S): Nelson, Peter H., Los Altos, CA, United States
Untch, Karl G., Los Altos, CA, United States
PATENT ASSIGNEE(S): Syntex (U.S.A.) Inc., Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4112114		19780905
APPLICATION INFO.:	US 1977-830264		19770902 (5)

RELATED APPLN. INFO.: Division of Ser. No. US 1976-724042, filed on 16 Sep 1976, now abandoned which is a division of Ser. No. US 1975-619158, filed on 3 Oct 1975, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Milestone, Norma S.
LEGAL REPRESENTATIVE: Krubiner, Alan M.
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
LINE COUNT: 776
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Esters of 2-substituted-5-oxo-5H-dibenzo[a,d]cycloheptenes represented by the following formula: ##STR1## where R' is --CH.sub.2 --CH.dbd.CH.sub.2, --CH.sub.2 --CH(OH)--CH.sub.2 OH, ##STR2## where Y is either O or S, or ##STR3## where R.sup.4 and R.sup.5 are independently hydrogen, alkyl having 1 to 6 carbon atoms, phenyl, or benzyl, or together R.sup.4 and R.sup.5 form an alkylene bridge having 4, 5 or 6 carbon atoms; one of R.sup.2 and R.sup.3 is hydrogen and the other is hydrogen, methyl, or ethyl, or together R.sup.2 and R.sup.3 are methylene. The compounds have anti-inflammatory, analgesic, and antipyretic activities and, accordingly, are useful in the treatment of inflammation, pain and/or pyrexia.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 69514-41-6P
(preparation of)
RN 69514-41-6 USPATFULL
CN 5H-Dibenzo[a,d]cycloheptene-2-acetic acid, α-methyl-5-oxo-, (2-thioxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)



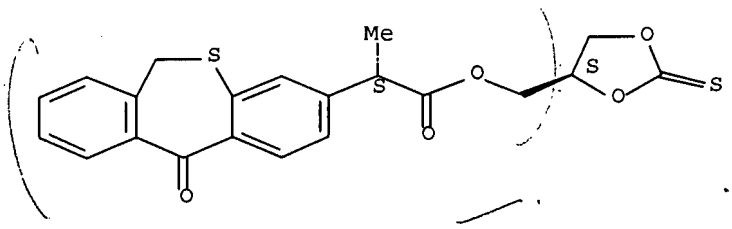
L28 ANSWER 29 OF 29 USPATFULL on STN
ACCESSION NUMBER: 77:66539 USPATFULL Full-text
TITLE: Novel esters of 6,11-dihydrodibenzo-[b.e.]-thiepin-11-one-3-alkanoic acids
INVENTOR(S): Ackrell, Jack, Palo Alto, CA, United States
PATENT ASSIGNEE(S): Syntex (U.S.A.) Inc., Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4064141		19771220
APPLICATION INFO.:	US 1976-706866		19760719 (5)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Jaisle, Cecilia M. S.
LEGAL REPRESENTATIVE: Blaufarb, Gerard A., Walker, William B.
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
LINE COUNT: 484
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Esters of 6,11-dihydrodibenzo-[b.e.]-thiepin-11-ones of the formula: ##STR1## wherein R is hydrogen or methyl and R.sup.1 is --CH.sub.2 --CH(OH)--CH.sub.2 OH, ##STR2## where Y is either O or S, or ##STR3## where R.sup.2 and R.sup.3 are independently hydrogen, alkyl having 1 to 6 carbon atoms, phenyl or benzyl or together R.sup.2 and R.sup.3 form an alkylene bridge having 4, 5 or 6 carbon atoms, and processes for the production thereof.

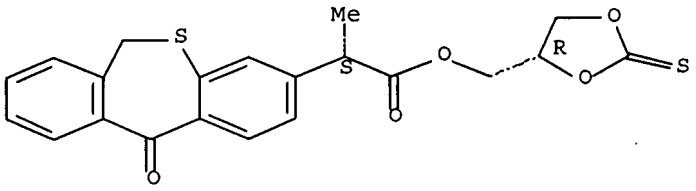
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT *65675-57-2P 65675-61-8P*
(preparation of)
RN 65675-57-2 USPATFULL
CN Dibenzo[b,e]thiepin-3-acetic acid, 6,11-dihydro-α-methyl-11-oxo-, (2-thioxo-1,3-dioxolan-4-yl)methyl ester, (R*,R*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 65675-61-8 USPATFULL
CN Dibenzo[b,e]thiepin-3-acetic acid, 6,11-dihydro-α-methyl-11-oxo-, (2-thioxo-1,3-dioxolan-4-yl)methyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.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INVENTOR NAME SEARCH:

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=> d que 126
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L23        1301 SEA L18 OR L21
L24         146 SEA L23 AND COSMET?
L25           7 SEA L24 AND ?CARBONAT?
L26          13 SEA L22 OR L25


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PROCESSING COMPLETED FOR L26
L29          10 DUP REM L26 (3 DUPLICATES REMOVED)
                ANSWERS '1-6' FROM FILE CAPLUS
                ANSWERS '7-10' FROM FILE WPIX

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L29  ANSWER 1 OF 10  CAPLUS  COPYRIGHT 2007 ACS on STN DUPLICATE 1
ACCESSION NUMBER:         2006:358662  CAPLUS  Full-text
DOCUMENT NUMBER:          144:397622
TITLE:                    Cosmetic treatment of keratinous material with non
                          sticky compositions based on electrophilic monomers
                          and non-silicone polymers
INVENTOR(S):              Vic, Gabin; Livoreil, Aude; Brun, Gaelle;
                          Gourlaouen, Luc; Giroud, Franck; Rollat-Corvol,
                          Isabelle
```

PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Eur. Pat. Appl., 30 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1647265	A1	20060419	EP 2005-292146	20051013
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
CN 1762327	A	20060426	CN 2005-10113682	20051013
US 2006088493	A1	20060427	US 2005-248293	20051013
BR 2005004472	A	20060627	BR 2005-4472	20051013
JP 2006348015	A	20061228	JP 2005-326674	20051013
PRIORITY APPLN. INFO.:			FR 2004-10807 A	20041013
			US 2005-646492P P	20050125

OTHER SOURCE(S): MARPAT 144:397622
AB Cosmetic treatment of keratinous material with non sticky compns. based on electrophilic monomers and non-silicone polymers are disclosed. The non-silicone polymer is selected in such a way that after application and drying on hair it forms a film with a maximum detachment force of 1 Newton. A hair preparation contained n-octyl-2 cyanoacrylate 60, Hystarech V-29 (an acrylic polymer) 39, and monoethanolamine 1%. The maximum detachment force was 4 N and separation energy was 220 μJ.
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 2
ACCESSION NUMBER: 2006:359465 CAPLUS Full-text
DOCUMENT NUMBER: 144:397626
TITLE: Cosmetic treatment of keratinic fibers with a composition comprising an electrophilic monomer and a non-siloxane polymer, thereby achieving a rigid coating
INVENTOR(S): Vic, Gabin; *Brun, Gaelle*; Livoreil, Aude; Gourlaouen, Luc; Giroud, Franck; *Rollat-Corvol, Isabelle*
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1647264	A1	20060419	EP 2005-292144	20051013
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
US 2006080792	A1	20060420	US 2005-248336	20051013
JP 2006117683	A	20060511	JP 2005-326673	20051013
BR 2005006178	A	20060523	BR 2005-6178	20051013
CN 1823716	A	20060830	CN 2005-10137385	20051013
PRIORITY APPLN. INFO.:			FR 2004-10805 A	20041013

US 2005-645600P P 20050124

OTHER SOURCE(S): MARPAT 144:397626

AB A cosmetic composition for the treatment of keratinic fibers comprises an electrophilic monomer and a non-siloxane polymer wherein the film obtain by the composition after drying at room temperature at relative humidity of 50% presents a Young's modulus of 100-2000 MPa, at at thickness of 0.5 mm with a friction speed of 20 mm/min. A hair preparation contained poly(Me methacrylate) 50, 2-octylcyanoacrylate 49, and monoethanolamine 1%. The composition was applied on hair and dried at a relative humidity of 50% to obtain a rigid coating. The Young's modulus with friction speed of 20mm/min was 200 MPa.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 3

ACCESSION NUMBER: 2004:428792 CAPLUS Full-text

DOCUMENT NUMBER: 140:411993

TITLE: *Cosmetic* composition comprising at least one specific cyclic *carbonate*

INVENTOR(S): *Brun, Gaeelle; Rollat-Corvol, Isabelle*

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

Same as the FP claims

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004043330	A2	20040527	WO 2003-FR3285	20031104
WO 2004043330	A3	20041021		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2846879	A1	20040514	FR 2002-13938	20021107
AU 2003292331	A1	20040603	AU 2003-292331	20031104
EP 1562538	A2	20050817	EP 2003-767897	20031104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006518330	T	20060810	JP 2004-550734	20031104
PRIORITY APPLN. INFO.:			FR 2002-13938 A	20021107
			US 2002-434654P P	20021220
			WO 2003-FR3285 W	20031104

OTHER SOURCE(S): MARPAT 140:411993

AB The invention relates to a *cosmetic* composition, comprising at least one specific cyclic *carbonate* (Markush structure given) in a *cosmetically*-acceptable medium, together with at least one compound selected from anionic, non-ionic or amphoteric polymeric fixers or conditioning agents, direct anionic or cationic quaternized hair dyes, oxidative hair dyes, reducers, detergents and oxidizing agents. The invention further relates to the use of

said cyclic *carbonates* for treating hair or for improving the resistance of dyes to shampoos. Method of using these compds. on the hair is described.

L29 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:365143 CAPLUS Full-text
DOCUMENT NUMBER: 144:419045
TITLE: Hair preparations comprising electrophilic monomers and microparticles or nanoparticles
INVENTOR(S): *Brun, Gaelle*; Livoreil, Aude; Gourlaouen, Luc; Vic, Gabin; Giroud, Franck; *Rollat-Corvol, Isabelle*
PATENT ASSIGNEE(S): Fr.
SOURCE: U.S. Pat. Appl. Publ., 17 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2006083762	A1	20060420	US 2005-248286		20051013
EP 1647308	A1	20060419	EP 2005-292145		20051013
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU					
BR 2005004500	A	20060523	BR 2005-4500		20051013
JP 2006348016	A	20061228	JP 2005-326675		20051013
PRIORITY APPLN. INFO.:			FR 2004-10806	A	20041013
			US 2005-646485P	P	20050125

OTHER SOURCE(S): MARPAT 144:419045
AB The present disclosure relates to methods for treating keratin materials, including keratin fibers such as the hair, of a composition comprising, in a cosmetically acceptable medium, at least one electrophilic monomer and microparticles or nanoparticles. Microparticles can comprise PTFE and compns. can contain these microparticles, cyanoacrylates, silicones etc.

L29 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:390943 CAPLUS Full-text
DOCUMENT NUMBER: 140:380256
TITLE: *Cosmetic* composition containing at least a particular cyclic *carbonate*
INVENTOR(S): *Brun, Gaelle; Rollat Corvol, Isabelle*
PATENT ASSIGNEE(S): L'Oreal, Fr.
SOURCE: Fr. Demande, 57 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2846879	A1	20040514	FR 2002-13938	20021107
WO 2004043330	A2	20040527	WO 2003-FR3285	20031104
WO 2004043330	A3	20041021		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003292331	A1	20040603	AU 2003-292331		20031104
EP 1562538	A2	20050817	EP 2003-767897		20031104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
JP 2006518330	T	20060810	JP 2004-550734		20031104
US 2004156800	A1	20040812	US 2003-702441		20031107
PRIORITY APPLN. INFO.:			FR 2002-13938	A	20021107
			US 2002-434654P	P	20021220
			WO 2003-FR3285	W	20031104

OTHER SOURCE(S): MARPAT 140:380256

AB A *cosmetic* composition comprises a particular cyclic *carbonate* in partnership with at least a compound chosen from anionic nonionic or amphoteric fixing polymers, conditioners, anionic or cationic quaternized direct hair dyes, oxidative hair dyes, the reducing agent, surfactants, and oxidizing agents. It also aims the use of these cyclic *carbonates* for the treatment of the hair or to improve resistance to the shampoos.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:298243 CAPLUS Full-text
DOCUMENT NUMBER: 124:324985
TITLE: Use of N-(hydroxyalkyl)-substituted alkyl carbamates as surfactants in *cosmetic* compositions
INVENTOR(S): Ascione, Jean-Marc; Bollens, Eric; Mahieu, Claude; Philippe, Michel; *Rollat-Corvol, Isabelle*
PATENT ASSIGNEE(S): Oreal S. A., Fr.
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 705599	A1	19960410	EP 1995-401937	19950823
EP 705599	B1	19960925		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
FR 2725131	A1	19960405	FR 1994-11665	19940929
FR 2725131	B1	19961031		
AT 143254	T	19961015	AT 1995-401937	19950823
ES 2095178	T3	19970201	ES 1995-401937	19950823
JP 08231333	A	19960910	JP 1995-238360	19950918
JP 2855095	B2	19990210		
CA 2159424	A1	19960330	CA 1995-2159424	19950928
CA 2159424	C	19991109		
US 5849308	A	19981215	US 1995-535962	19950928
PRIORITY APPLN. INFO.:			FR 1994-11665	A 19940929

OTHER SOURCE(S): MARPAT 124:324985

AB N-(hydroxyalkyl)-substituted alkyl carbamates R1R2CHCH2OC(O)NR3A (R1 = C4-6 alkyl; R2 = C2-4 alkyl; R3 = H, C1-6 alkyl; A = nonionic hydrophilic group) are used as surfactants in *cosmetic* compns. To a solution of 118 g N-methylD-glucamine in 800 mL water and 400 mL THF was added 201.6 g sodium hydrogen *carbonate* at 5° followed by dropwise addition of 115.6 g 2-ethylhexyl chloroformate and stirring for 3 h at 5°; the mixture was then filtered and evaporated and the residue was purified to obtain 105 g N-2-ethylhexyloxycarbonyl-N-methyl-D-glucamine (I), m.p. = 74°. The surface tension and critical micelle concentration of I was 26.5 and 0.011 as compared to 39 dyne/cm and 0.052 mol/L for Mega 8 as control. A make-up remover lotion contained iso-Pr palmitate 5, Pemulen TR2 0.1, I 3, NaOH 0.02, preservatives and fragrance q.s. and water q.s. 100 g.

L29 ANSWER 7 OF 10 WPIX COPYRIGHT 2007 THE THOMSON CORP on STN
ACCESSION NUMBER: 2007-274760 [27] WPIX
DOC. NO. CPI: C2007-100562 [27]
TITLE: *Cosmetic* process of treating hair coated with polymer obtained from the polymerization of an electrophilic monomer, comprises applying a composition comprising at least a make-up removing composition on the coated hair
DERWENT CLASS: A14; A28; A96; D21
INVENTOR: *BRUN G*
PATENT ASSIGNEE: (OREA-C) L'OREAL SA
COUNTRY COUNT: 1

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
FR 2889942	A1	20070302	(200727)*	FR	22	[0]

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
FR 2889942	A1	FR 2005-8719	20050824

PRIORITY APPLN. INFO: FR 2005-8719 20050824
AN 2007-274760 [27] WPIX
AB FR 2889942 A1 UPAB: 20070426
NOVELTY - *Cosmetic* process of treating hair coated with polymer obtained from the polymerization of an electrophilic monomer, comprises applying a composition comprising at least a make-up removing composition on the coated hair.

USE - The composition is useful as a spray, foam, tissue material, sponge, applicator or shampoo to remove and clean polymer coats of the hair (claimed) to modify surface properties, particularly to condition and brighten the hair.

ADVANTAGE - The process provides natural look and causes no degradation to the hair.

L29 ANSWER 8 OF 10 WPIX COPYRIGHT 2007 THE THOMSON CORP on STN
ACCESSION NUMBER: 2006-286280 [30] WPIX
DOC. NO. CPI: C2006-093633 [30]
TITLE: Use of a composition comprising an electrophilic monomer and micro or nanoparticles in a medium, for the treatment of keratinous matters (hair)

DERWENT CLASS: A14; A28; A96; D21
INVENTOR: *BRUN G*; GIROUD F; GOURLAOUEN L; LIVOREIL A; *ROLLAT-CORVOL I*; VIC G
PATENT ASSIGNEE: (BRUN-I) BRUN G; (GIRO-I) GIROUD F; (GOUR-I) GOURLAOUEN L; (OREA-C) L'OREAL SA; (LIVO-I) LIVOREIL A; (ROLL-I) ROLLAT-CORVOL I; (VICG-I) VIC G
COUNTRY COUNT: 39

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
EP 1647308	A1	20060419	(200630)*	FR	28[0]	
US 20060083762	A1	20060420	(200630)	EN		
BR 2005004500	A	20060523	(200637)	PT		
JP 2006348016	A	20061228	(200703)	JA	75	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 1647308 A1		EP 2005-292145	20051013
US 20060083762 A1	Provisional	US 2005-646485P	20050125
BR 2005004500 A		BR 2005-4500	20051013
US 20060083762 A1		US 2005-248286	20051013
JP 2006348016 A		JP 2005-326675	20051013

PRIORITY APPLN. INFO: FR 2004-10806 20041013
AN 2006-286280 [30] WPIX
AB EP 1647308 A1 UPAB: 20060510
NOVELTY - Use of a composition (I) comprising at least an electrophilic monomer (II) and micro or nanoparticles (III) in a medium, for the treatment of keratinous matters (keratinous fibers (preferably hair)).
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:
(1) a composition (IV) comprising (II) and (III) (other than gold or silver) in a medium;
(2) process of treatment of keratinous fibers comprising the stages of application of (III) and (II), to the keratinous fibers; and
(3) a kit comprising a first composition (containing (II) and an anionic and/or radical polymerization inhibitor) and a second composition (containing (III)) in a medium.
USE - (I) is useful: to treat keratinous fibers (preferably hair); and to reinforce nails (claimed).
ADVANTAGE - (I): increases the volume of hair without modifying the shape or the touch of the hair; retains the color and brightness of the hair during shampooing; and provides shininess and optical effects to the hair.

L29 ANSWER 9 OF 10 WPIX COPYRIGHT 2007 THE THOMSON CORP on STN
ACCESSION NUMBER: 2006-307865 [33] WPIX
DOC. NO. CPI: C2006-102193 [33]
TITLE: Use of a composition comprising an electrophilic monomer and a liquid crystal agent in a medium, for the treatment of keratinous matter (keratinous fibres such as hair)
DERWENT CLASS: A14; A25; A26; A96; D21; E19
INVENTOR: *BRUN G*; GOURLAOUEN L
PATENT ASSIGNEE: (OREA-C) L'OREAL SA; (BRUN-I) BRUN G; (GOUR-I) GOURLAOUEN L
COUNTRY COUNT: 37

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
EP 1647259	A1	20060419	(200633)*	FR	28[0]	
US 20060115445	A1	20060601	(200637)	EN		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 1647259 A1		EP 2005-292138	20051013
US 20060115445 A1	Provisional	US 2004-637750P	20041222
US 20060115445 A1		US 2005-248332	20051013

PRIORITY APPLN. INFO: FR 2004-10812 20041013
AN 2006-307865 [33] WPIX
AB EP 1647259 A1 UPAB: 20060523
NOVELTY - Use of a composition (A) comprising at least an electrophilic monomer (I) and at least a liquid crystal agent (II) in a medium, for the treatment of keratinous matter (preferably keratinous fibres such as hair).
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:
(1) a *cosmetic* composition in a medium comprising (I) and (II);
(2) process of treating keratinous matter comprising application of (I) and (II) on the keratinous matter; and
(3) a kit comprising a first composition (containing (I) and optionally a anionic and/or radical polymerization inhibitor) and a second composition (containing (II)) in a medium.
USE - (A) is useful for the treatment of keratinous matter (preferably keratinous fibres such as hair) (claimed).
ADVANTAGE - (A): provides iridescent effects on hair; has good coloring and brightening properties; and retains the color and brightness of the hair during shampooing.

L29 ANSWER 10 OF 10 WPIX COPYRIGHT 2007 THE THOMSON CORP on STN
ACCESSION NUMBER: 2005-437135 [45] WPIX
DOC. NO. CPI: C2005-134333 [45]
TITLE: *Cosmetic* hair-styling compositions, having good, long-lasting hair fixing and holding action, comprising elastic cationic polyurethane in aqueous medium
DERWENT CLASS: A14; A17; A28; A96; D21
INVENTOR: BENABDILLAH K; CATHIAS P; COTHIAS P; *ROLLAT I*
PATENT ASSIGNEE: (BENA-I) BENABDILLAH K; (COTH-I) COTHIAS P; (OREA-C) L'OREAL SA; (ROLL-I) ROLLAT I
COUNTRY COUNT: 42

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
EP 1543819	A1	20050622	(200545)*	FR	31[0]	
FR 2863884	A1	20050624	(200545)	FR		
CA 2490699	A1	20050619	(200547)	FR		
US 20050169873	A1	20050804	(200552)	EN		
JP 2005220127	A	20050818	(200555)	JA	90	
CN 1650840	A	20050810	(200572)	ZH		
BR 2004005700	A	20051220	(200604)	PT		
MX 2004012643	A1	20050701	(200628)	ES		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 1543819 A1		EP 2004-293009	20041216
FR 2863884 A1		FR 2003-15107	20031219
US 20050169873 A1	Provisional	US 2004-562555P	20040416
CA 2490699 A1		CA 2004-2490699	20041209
MX 2004012643 A1		MX 2004-12643	20041214
BR 2004005700 A		BR 2004-5700	20041215
JP 2005220127 A		JP 2004-382707	20041220
US 20050169873 A1		US 2004-14706	20041220
CN 1650840 A		CN 2004-10101185	20041220

PRIORITY APPLN. INFO: FR 2003-15107 20031219
AN 2005-437135 [45] WPIX
AB EP 1543819 A1 UPAB: 20051222
NOVELTY - New *cosmetic* hair-styling compositions (A) comprise at least one elastic, cationic polyurethane (I) in a *cosmetic* medium containing at least 50 (especially at least 85) weight % water.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(1) a *cosmetic* method for creating or retaining a hair-style, involving use of (A); and

(2) the use of (I) in a composition, containing more than 50 weight % water, for styling or holding the hair.

USE - The use of (A) is claimed for styling the hair in a lasting and moisture-resistant manner. (A) is typically a hair styling or holding lotion, gel, mousse, cream or lacquer.

ADVANTAGE - (A) is stable for several months, shows good, long-lasting hair fixing and holding action, has good moisture retaining properties and is easily removed by shampooing. Hair treated with (A) has good *cosmetic* properties, such as softness and combability. (A) consists mainly of water, and is thus ecologically acceptable.

SEARCH HISTORY:

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     (FILE 'HOME' ENTERED AT 09:07:41 ON 06 JUN 2007)

     FILE 'REGISTRY' ENTERED AT 09:08:59 ON 06 JUN 2007
L1             STR
L2               3 SEA SSS SAM L1
L3             118 SEA SSS FUL L1

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                   E EYE LINERS/CT
                   E E4+ALL
                   E KERATIN FIBERS/CT
                   E KERATIN/CT
                   E E3+ALL
                   E E2+ALL
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L8          584420 SEA ABB=ON  PLU=ON  L6 OR COSMET? OR L7 OR KERATIN? OR
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L9               1 SEA ABB=ON  PLU=ON  L4 AND L8
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                   HAIR? OR NAIL OR LIP OR EYE? OR MASCAR? OR MAKEUP OR MAKE UP
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                   C"/AU OR "BRUN G D"/AU OR "BRUN G DAL"/AU OR "BRUN G F J"/AU
                   OR "BRUN G H"/AU OR "BRUN G L"/AU OR "BRUN G M"/AU OR "BRUN G
                   O"/AU OR "BRUN G S"/AU OR "BRUN GAEELLE"/AU OR "BRUN GAELLE"/AU
                    OR "BRUN GAELLE LE"/AU)
                   E ROLLAT/AU
L19             119 SEA ABB=ON  PLU=ON  ("ROLLAT C I"/AU OR "ROLLAT CORVAL"/AU OR
                   "ROLLAT CORVOL I"/AU OR "ROLLAT CORVOL ISABELLE"/AU)
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                E ROLLAT /AU
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L21          169 SEA ABB=ON  PLU=ON  (L19 OR L20)
L22            9 SEA ABB=ON  PLU=ON  L18 AND L21
L23         1301 SEA ABB=ON  PLU=ON  L18 OR L21
L24          146 SEA ABB=ON  PLU=ON  L23 AND COSMET?
L25            7 SEA ABB=ON  PLU=ON  L24 AND ?CARBONAT?
L26           13 SEA ABB=ON  PLU=ON  L22 OR L25

     FILE 'HCAPLUS' ENTERED AT 09:23:40 ON 06 JUN 2007
                D QUE L14

     FILE 'USPATFULL, USPAT2' ENTERED AT 09:23:46 ON 06 JUN 2007
                D QUE L17

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L27           29 DUP REM L14 L17 (2 DUPLICATES REMOVED)
                     ANSWERS '1-23' FROM FILE HCAPLUS
                     ANSWERS '24-29' FROM FILE USPATFULL
                D L27 IBIB ABS HITIND TOT

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                D QUE L14

     FILE 'USPATFULL, USPAT2' ENTERED AT 09:24:24 ON 06 JUN 2007
                D QUE L17

     FILE 'HCAPLUS, USPATFULL, USPAT2' ENTERED AT 09:24:40 ON 06 JUN 2007
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                     ANSWERS '24-29' FROM FILE USPATFULL
                D L28 IBIB ABS HITIND HITSTR TOT

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L29           10 DUP REM L26 (3 DUPLICATES REMOVED)
                     ANSWERS '1-6' FROM FILE CAPLUS
                     ANSWERS '7-10' FROM FILE WPIX
                D L29 IBIB ABS TOT
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